(1) GENERAL INFORMATION:
  (i) APPLICANTS: Stockert, Elisabeth; Jager, Elke;
       Chen, Yao-Tseng; Scanlan, Matthew; Knuth, Alexander;
       Old, Lloyd J.

  (ii) TITLE OF INVENTION: ANTIBODIES WHICH BIND TO NY-ESO-1
       CANCER ASSOCIATED PROTEINS, USES THEREOF, TRUNCATED
       FORMS OF NY-ESO-1, AND HLA BINDING PEPTIDES DERIVED
       THEREFROM

  (iii) NUMBER OF SEQUENCES: 7

  (iv) CORRESPONDENCE ADDRESS:
       (A) ADDRESSEE: Felfe & Lynch
       (B) STREET: 805 Third Avenue
       (C) CITY: New York City
       (D) STATE: New York
       (E) USA
       (F) ZIP: 10022

  (v) COMPUTER READABLE FORM:
       (A) MEDIUM TYPE: Diskette, 3.5 inch, 144 kb storage
       (B) COMPUTER: IBM
       (C) OPERATING SYSTEM: PC-DOS
       (D) SOFTWARE: WordPerfect

  (vi) CURRENT APPLICATION DATA:
       (A) APPLICATION NUMBER:
       (B) FILING DATE:
       (C) CLASSIFICATION:

  (vii) PRIOR APPLICATION DATA:
       (A) APPLICATION NUMBER: 08/937,263
       (B) FILING DATE: September 15, 1997

  (vii) PRIOR APPLICATION DATA:
       (A) APPLICATION NUMBER: US 08/752,182
       (B) FILING DATE: 03-October-1996

  (viii) ATTORNEY/AGENT INFORMATION:
       (A) NAME: Hanson, Norman D.
       (B) REGISTRATION NUMBER: 30,946
       (C) REFERENCE/DOCKET NUMBER: LUD 5466.3

  (ix) TELECOMMUNICATION INFORMATION:
       (A) TELEPHONE: (212) 688-9200
       (B) TELEFAX: (212) 838-3884

(2)   INFORMATION FOR SEQ ID NO: 1:
       (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 752 base pairs
            (B) TYPE: nuclear acid
            (C) STRANDEDNESS: double
            (D) TOPOLOGY: linear
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

```
ATCCTCGTGG GCCCTGACCT TCTCTCTGAG AGCCGGGCAG AGGCTCCGGA GCC                 53

ATG CAG GCC GAA GGC CGG GGC ACA GGG GGT TCG ACG GGC GAT GCT                 98
Met Gln Ala Glu Gly Arg Gly Thr Gly Gly Ser Thr Gly Asp Ala
            5                   10                  15

GAT GGC CCA GGA GGC CCT GGC ATT CCT GAT GGC CCA GGG GGC AAT                143
Asp Gly Pro Gly Gly Pro Gly Ile Pro Asp Gly Pro Gly Gly Asn
            20                  25                  30

GCT GGC GGC CCA GGA GAG GCG GGT GCC ACG GGC GGC AGA GGT CCC                188
Ala Gly Gly Pro Gly Glu Ala Gly Ala Thr Gly Gly Arg Aly Pro
            35                  40                  45

CGG GGC GCA GGG GCA GCA AGG GCC TCG GGG CCG GGA GGA GGC GCC                233
Arg Gly Ala Gly Ala Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala
            50                  55                  60

CCG CGG GGT CCG CAT GGC GGC GCG GCT TCA GGG CTG AAT GGA TGC                278
Pro Arg Gly Pro His Gly Gly Ala Ala Ser Gly Leu Asn Gly Cys
            65                  70                  75

TGC AGA TGC GGG GCC AGG GGG CCG GAG AGC CGC CTG CTT GAG TTC                323
Cys Arg Cys Gly Ala Arg Gly Pro Glu Ser Arg Leu Leu Glu Phe
            80                  80                  90

TAC CTC GCC ATG CCT TTC GCG ACA CCC ATG GAA GCA GAG CTG GCC                368
Tyr Leu Ala Met Pro Phe Ala Thr Pro Met Glu Ala Glu Leu Ala
            95                  100                 105

CGC AGG AGC CTG GCC CAG GAT GCC CCA CCG CTT CCC GTG CCA GGG                413
Arg Arg Ser Leu Ala Gln Asp Ala Pro Pro Leu Pro Val Pro Gly
            110                 115                 120

GTG CTT CTG AAG GAG TTC ACT GTG TCC GGC AAC ATA CTG ACT ATC                458
Val Leu Leu Lys Glu Phe Thr Val Ser Gly Asn Ile Leu Thr Ile
            125                 130                 135

CGA CTG ACT GCT GCA GAC CAC CGC CAA CTG CAG CTC TCC ATC AGC                503
Arg Leu Thr Ala Ala Asp His Arg Gln Leu Gln Leu Ser Ile Ser
            140                 145                 150

TCC TGT CTC CAG CAG CTT TCC CTG TTG ATG TGG ATC ACG CAG TGC                548
Ser Cys Leu Gln Gln Leu Ser Leu Leu Met Trp Ile Thr Gln Cys
            155                 160                 165

TTT CTG CCC GTG TTT TTG GCT CAG CCT CCC TCA GGG CAG AGG CGC                593
```

```
Phe Leu Pro Val Phe Leu Ala Gln Pro Pro Ser Gly Gln Arg Arg
              170             175               180
```

```
TAA GCCCAGCCTG GCGCCCCTTC CTAGGTCATG CCTCCTCCCC TAGGGAATGG         646
TCCCAGCACG AGTGGCCAGT TCATTGTGGG GGCCTGATTG TTTGTCGCTG GAGGAGGACG   706
GCTTACATGT TTGTTTCTGT AGAAAATAAA ACTGAGCTAC GAAAAA                  752
```

```
(2)     INFORMATION FOR SEQ ID NO: 2:
        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 31 base pairs
            (B) TYPE: nuclear acid
            (C) STRANDEDNESS:  single
            (D) TOPOLOGY: linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
```

```
CACACAGGAT CCATGGATGC TGCAGATGCG G                                  31
```

```
(2)     INFORMATION FOR SEQ ID NO: 3:
        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 32 base pairs
            (B) TYPE: nuclear acid
            (C) STRANDEDNESS:  single
            (D) TOPOLOGY: linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
```

```
CACACAAAGC TTGGCTTAGC GCCTCTGCCC TG                                 32
```

```
(2)     INFORMATION FOR SEQ ID NO: 4:
        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 11 amino acids
            (B) TYPE: amino acid
            (D) TOPOLOGY: linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
```

```
Ser Leu Leu Met Trp Ile Thr Gln Cys Phe Leu
              5                   10
```

```
(2)     INFORMATION FOR SEQ ID NO: 5:
        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 9 amino acids
            (B) TYPE: amino acid
```

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(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Ser Leu Leu Met Trp Ile Thr Gln Cys
                    5

(2)   INFORMATION FOR SEQ ID NO: 6:
       (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 9 amino acids
            (B) TYPE: amino acid
            (D) TOPOLOGY: linear
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Gln Leu Ser Leu Leu Met Trp Ile Thr
                    5

(2)   INFORMATION FOR SEQ ID NO: 7:
       (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 6 amino acids
            (B) TYPE: amino acid
            (D) TOPOLOGY: linear
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

Leu Leu Met Trp Ile Thr
                5